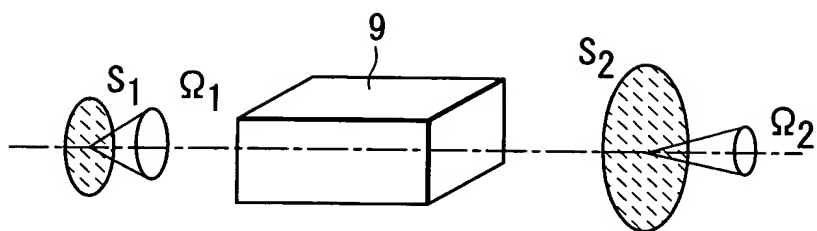
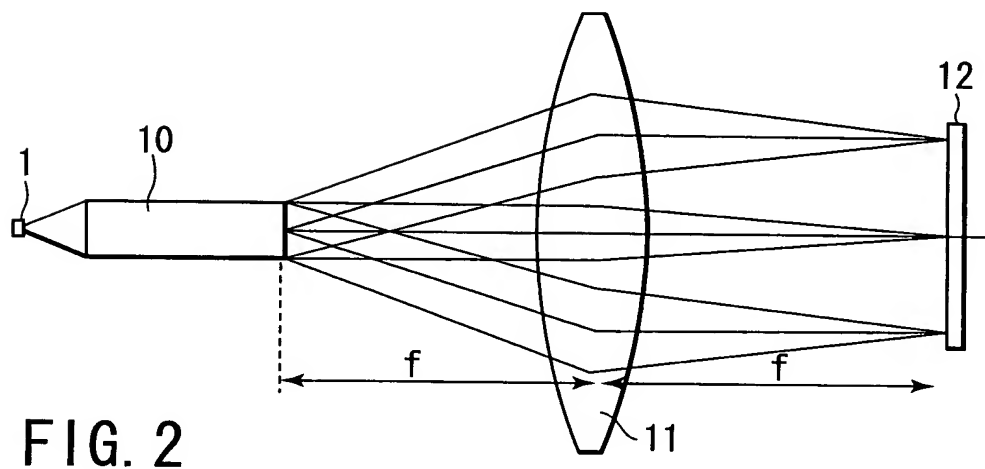
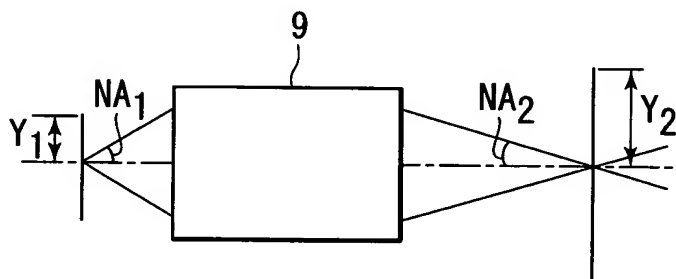


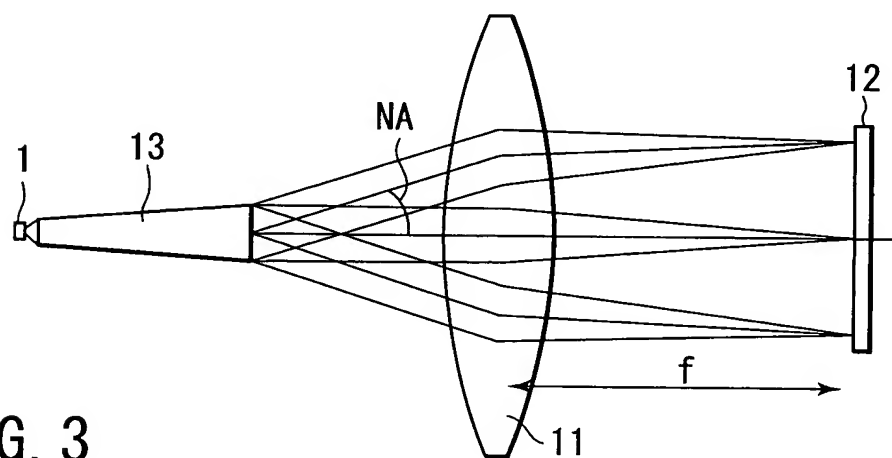
**FIG. 1A**  
(PRIOR ART)



**FIG. 1B**  
(PRIOR ART)



**FIG. 2**



**FIG. 3**

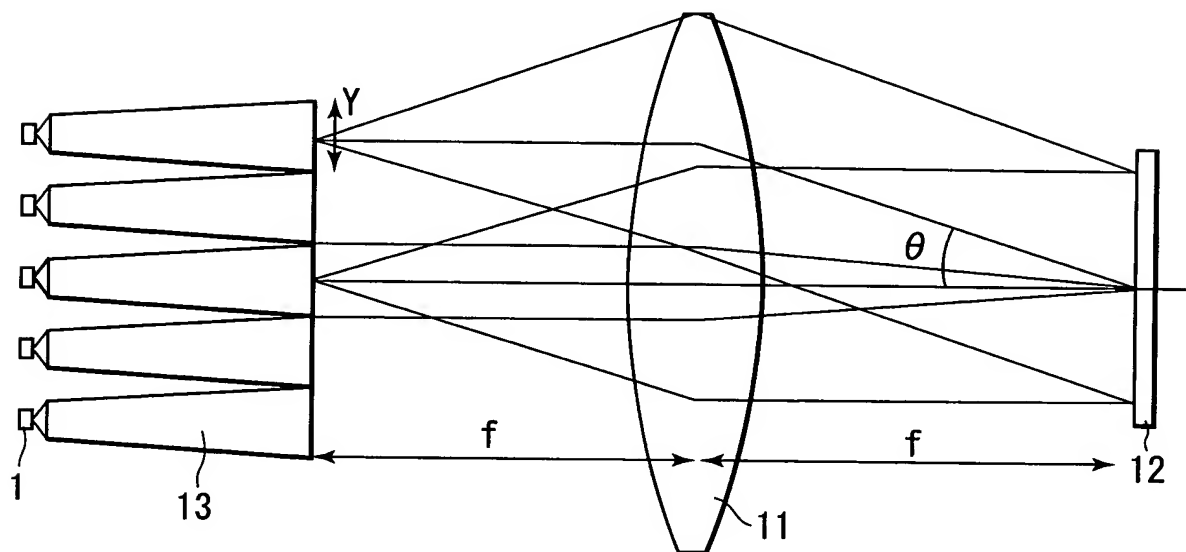
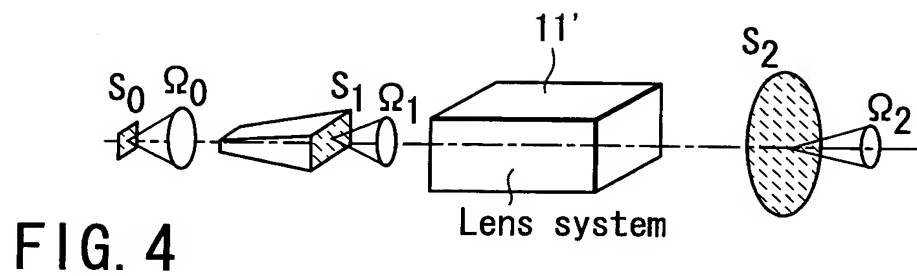


FIG. 5

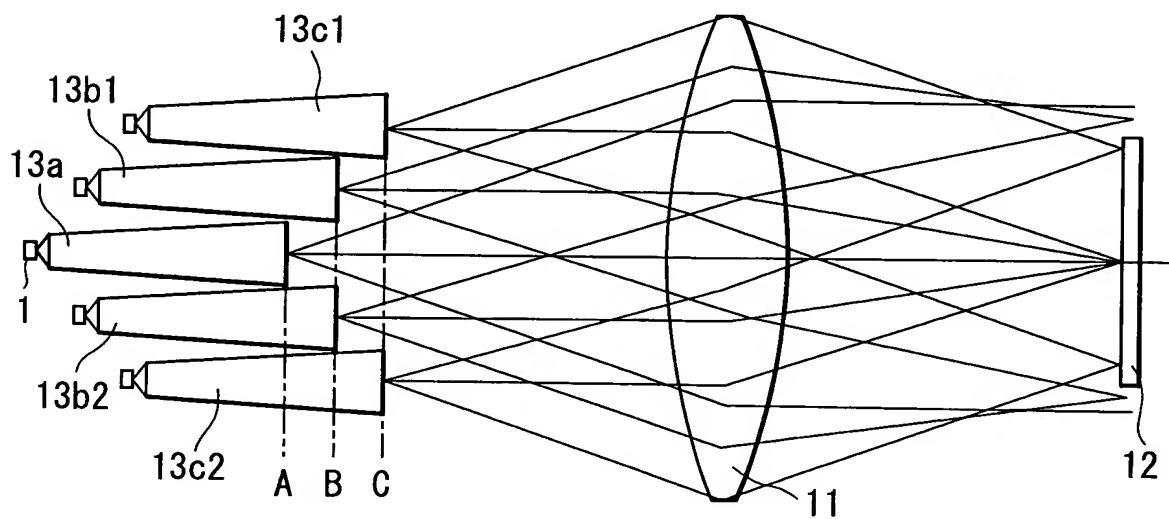


FIG. 6

FIG. 7

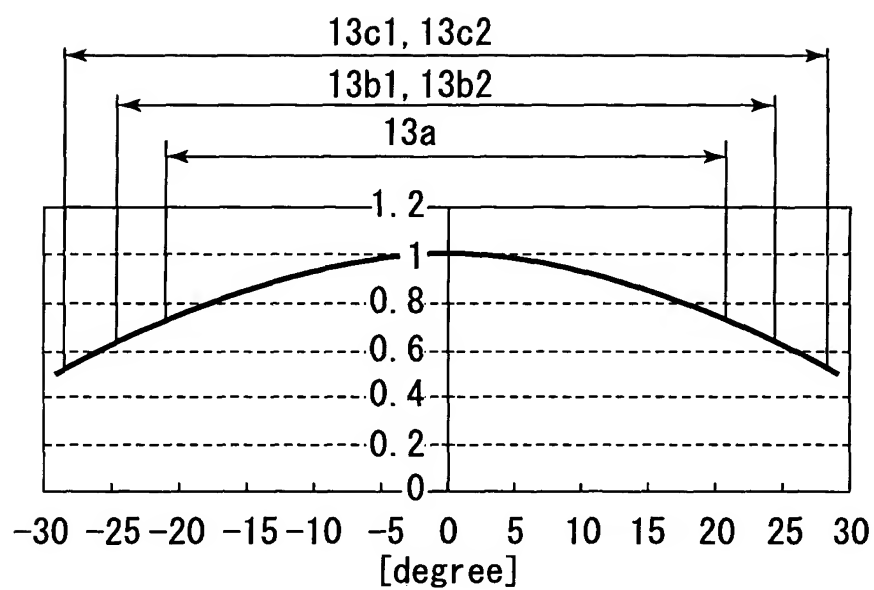


FIG. 8

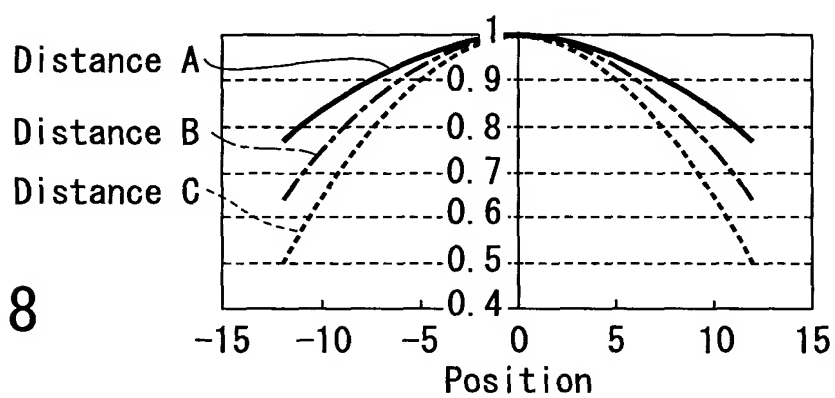


FIG. 9A

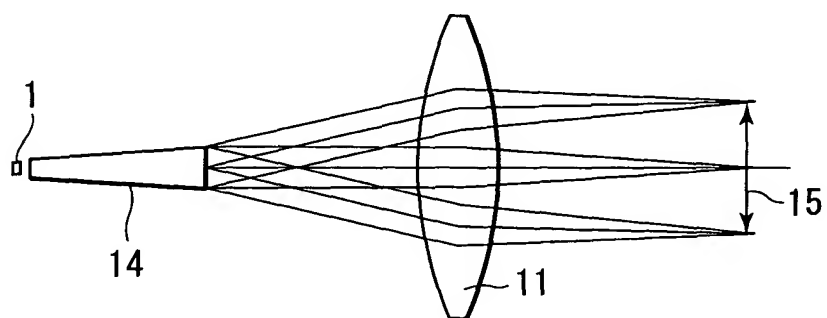
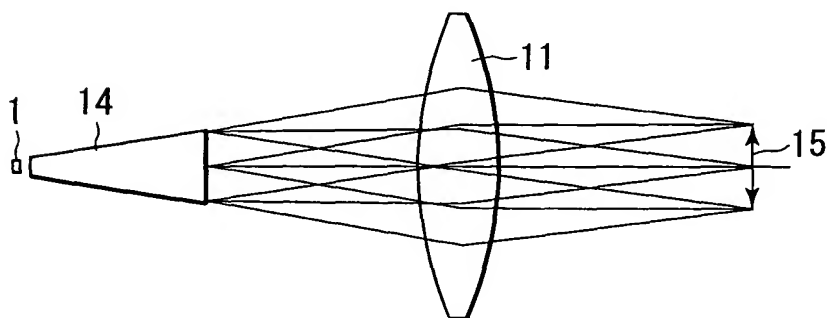


FIG. 9B



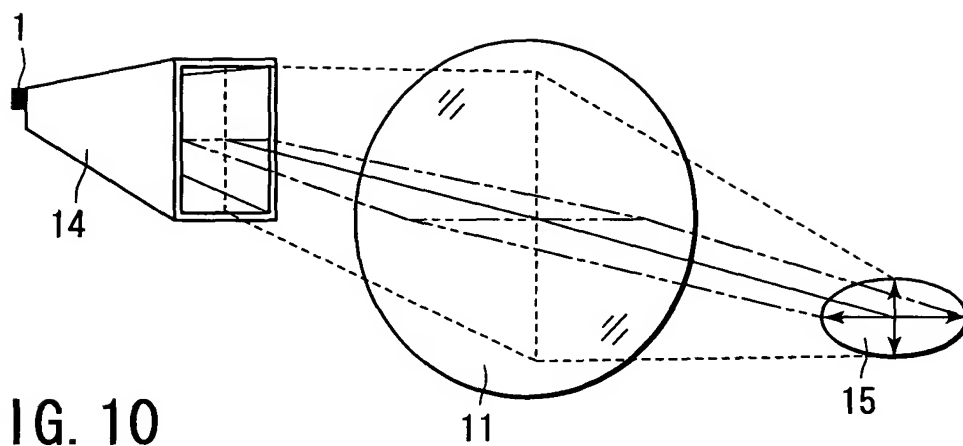


FIG. 10

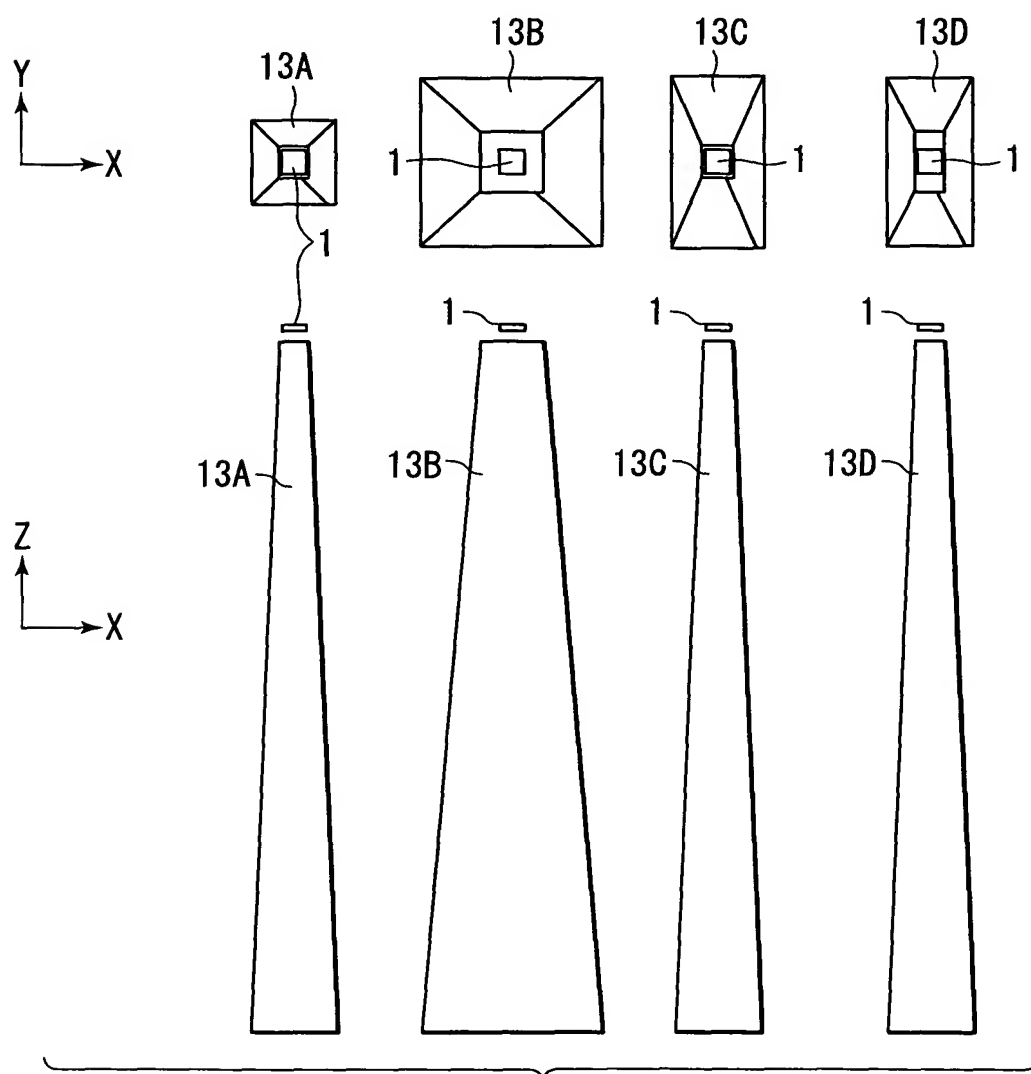


FIG. 11

Taper rod	13A	13B	13C	13D
Inlet size (X direction × Y direction)	1.5 × 1.5	3.0 × 3.0	1.5 × 1.5	1.5 × 3.0
Outlet size (X direction × Y direction)	4.2 × 4.2	8.4 × 8.4	4.2 × 8.4	4.2 × 8.4
Length	35	35	35	35
Chip size	1 × 1	1 × 1	1 × 1	1 × 1
Gap	0.5	0.5	0.5	0.5

FIG. 12

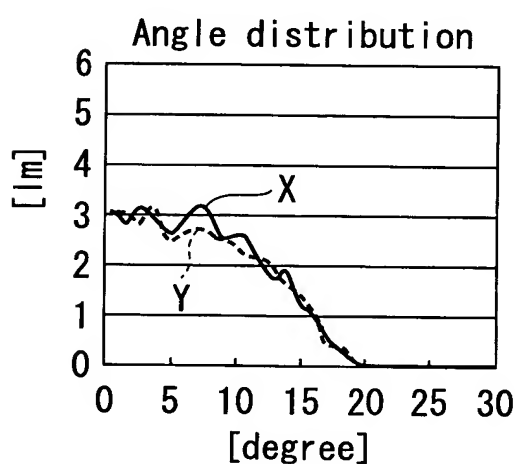


FIG. 13A

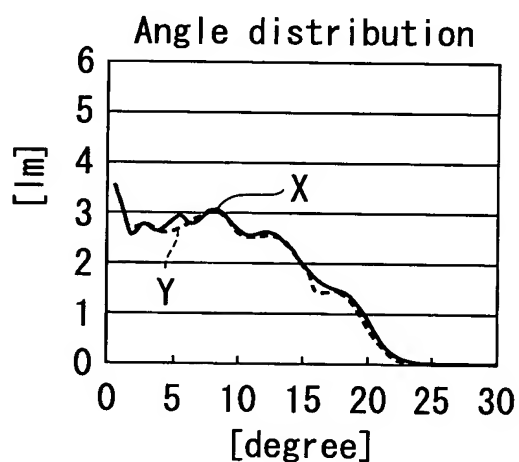


FIG. 13B

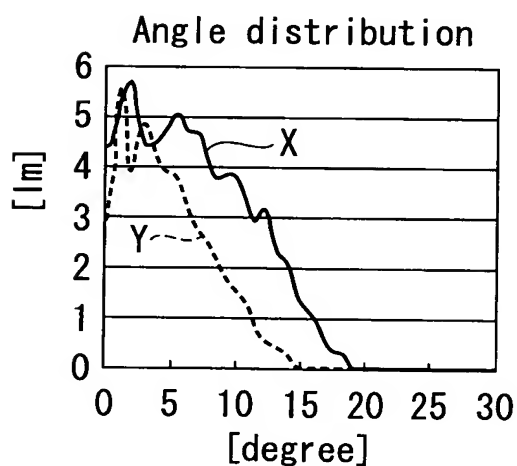


FIG. 13C

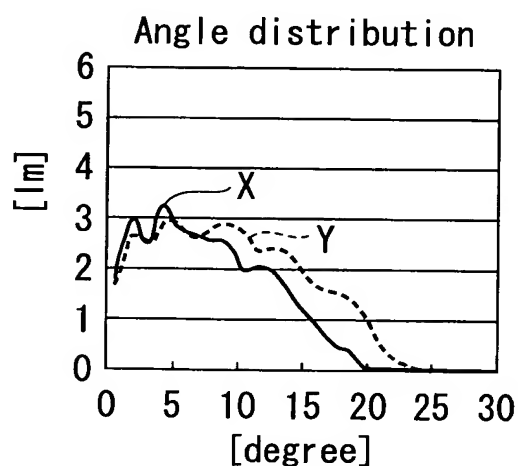
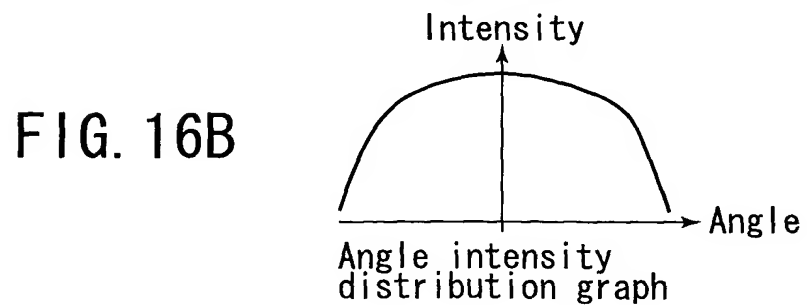
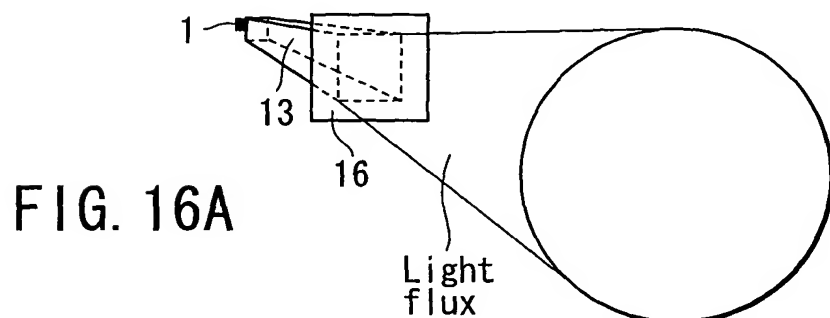
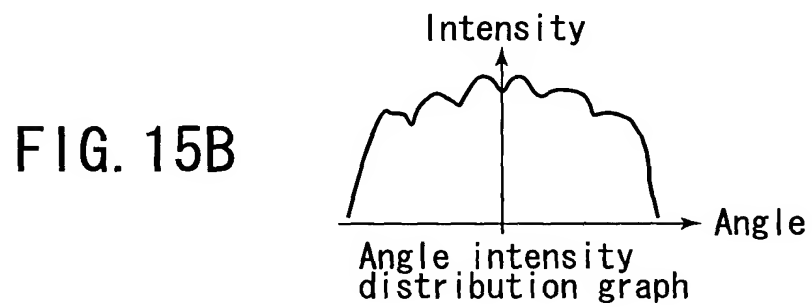
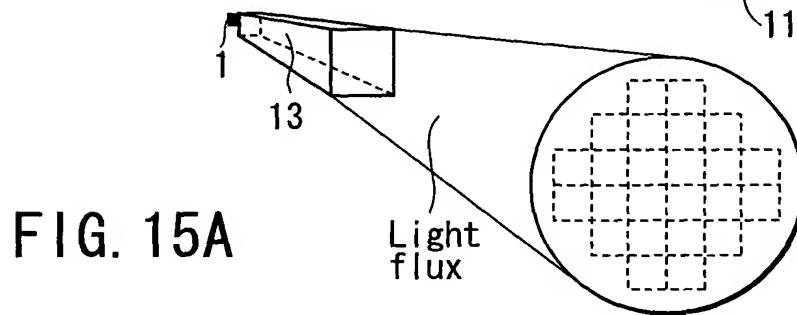
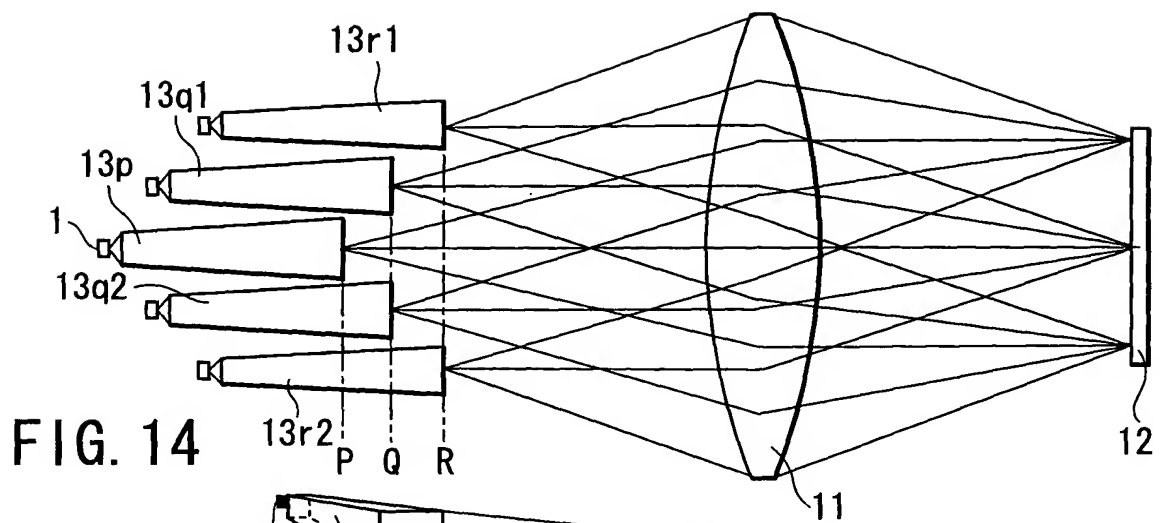


FIG. 13D



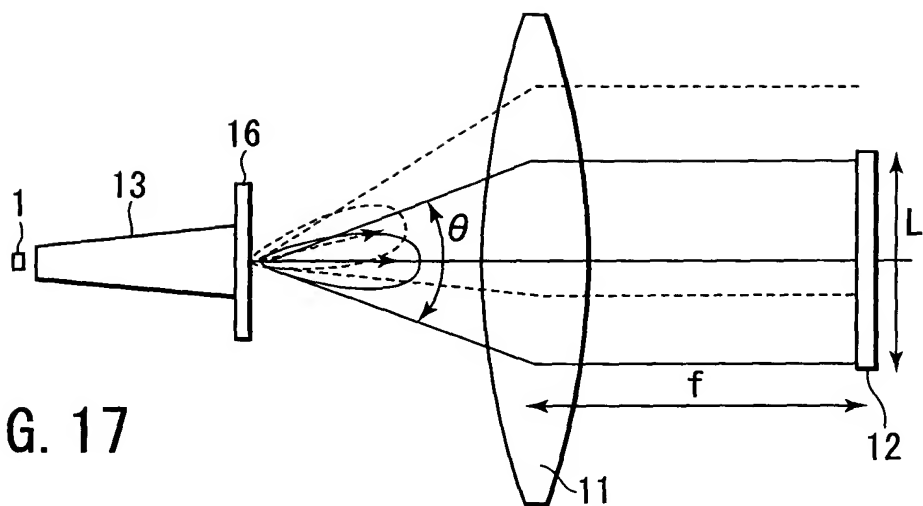


FIG. 17

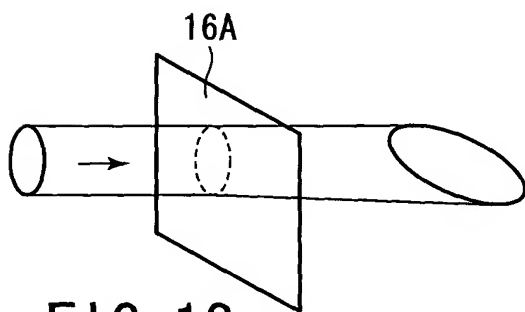


FIG. 18

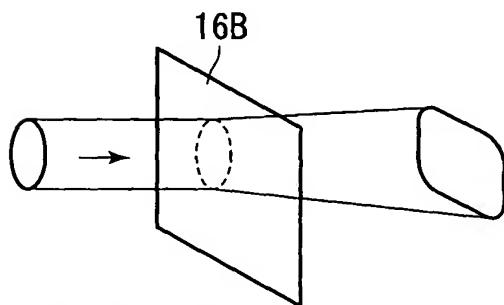


FIG. 19

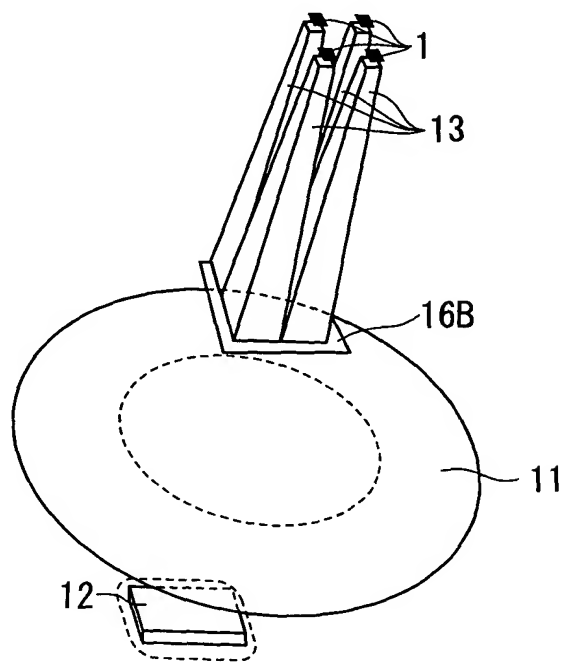


FIG. 20

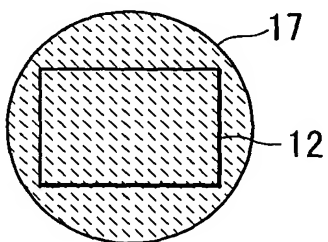


FIG. 21

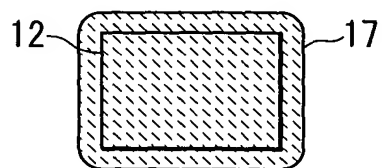


FIG. 22

FIG. 23

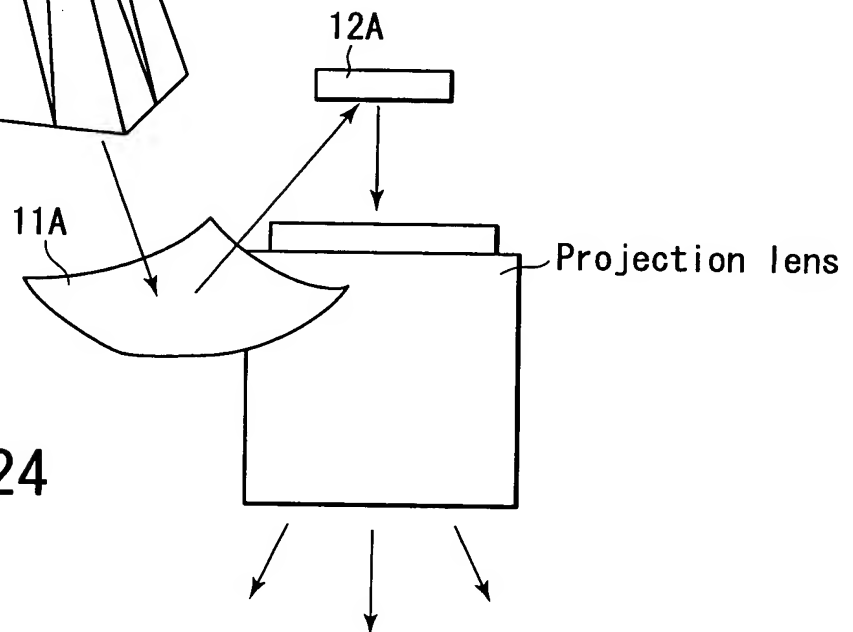
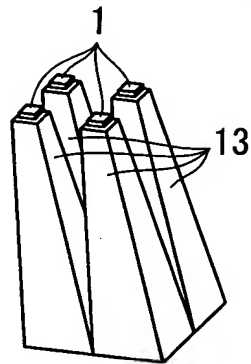
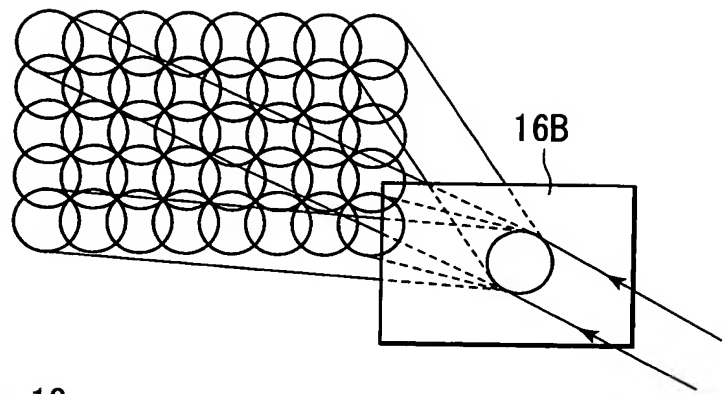


FIG. 24

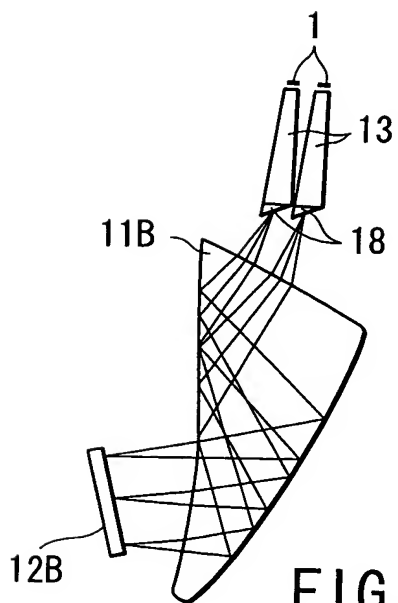


FIG. 25

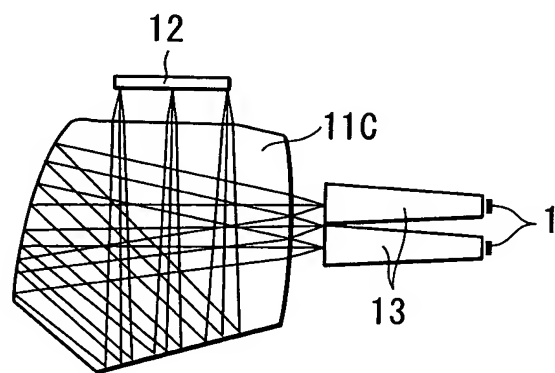


FIG. 26



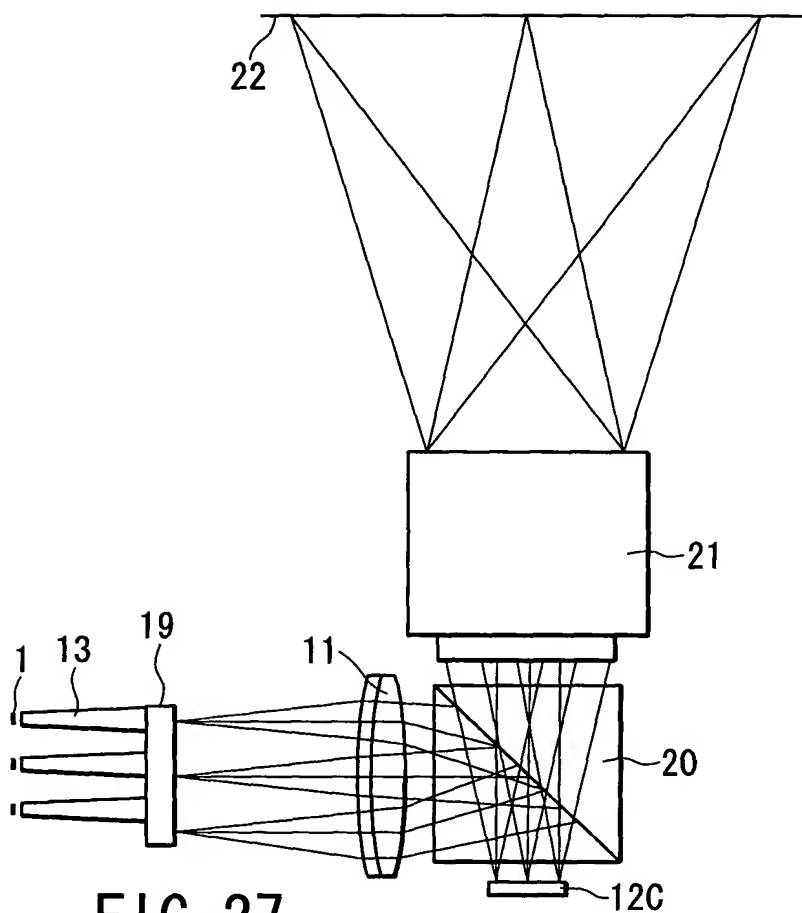


FIG. 27

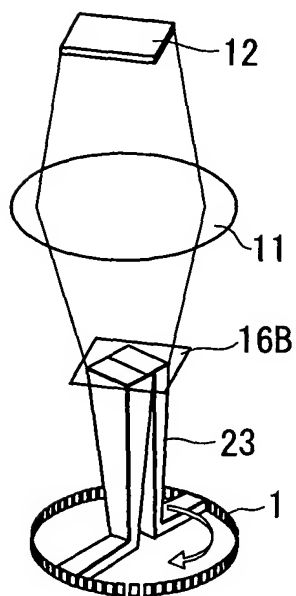


FIG. 29A

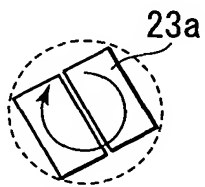


FIG. 29B

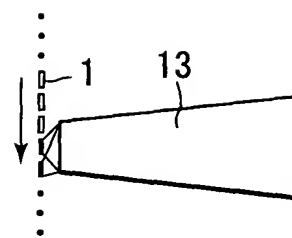


FIG. 28A

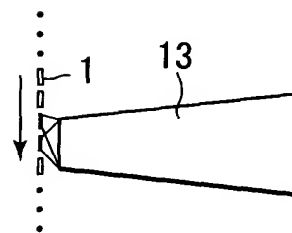


FIG. 28B

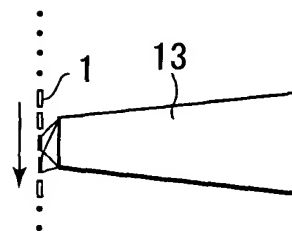


FIG. 28C

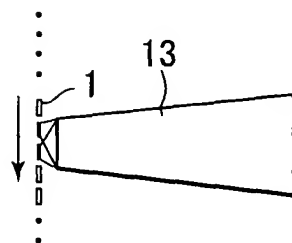


FIG. 28D

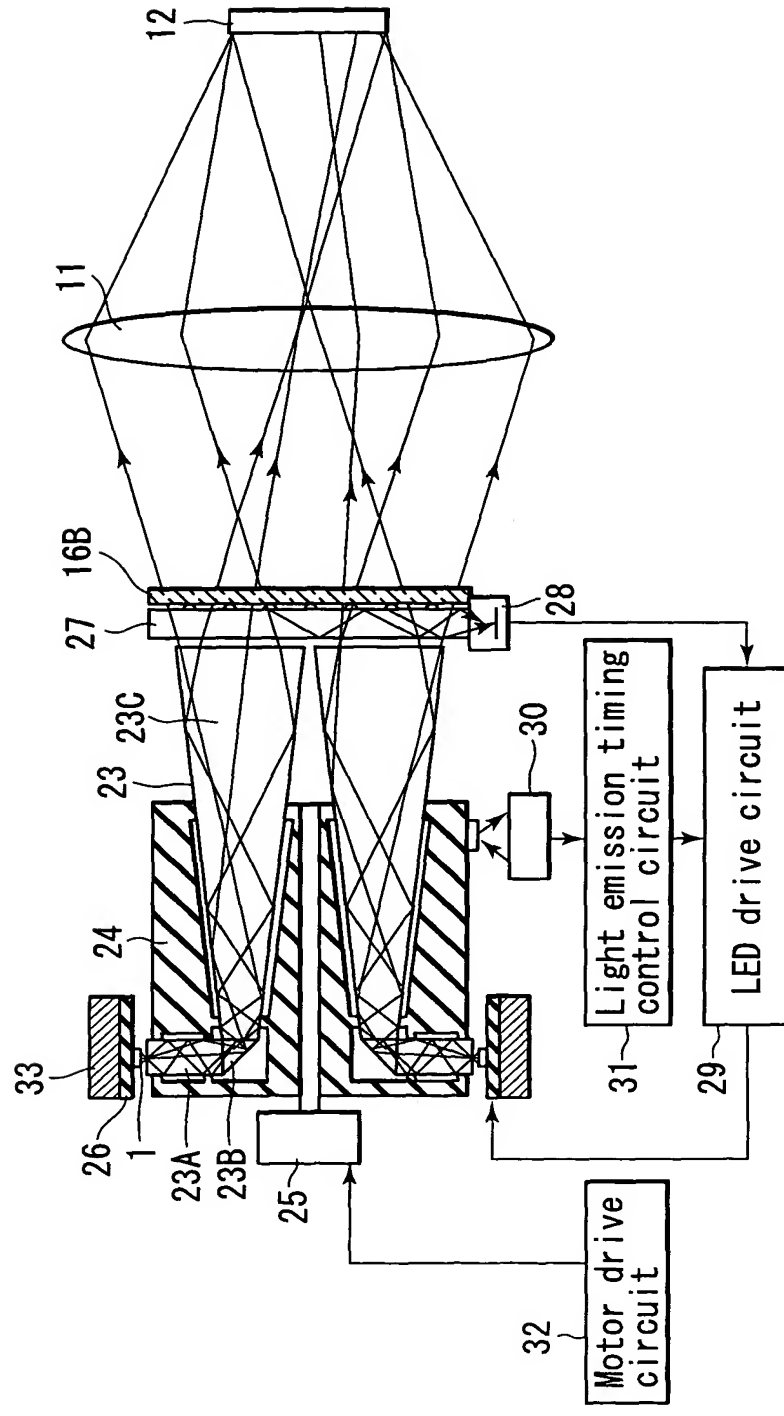


FIG. 30

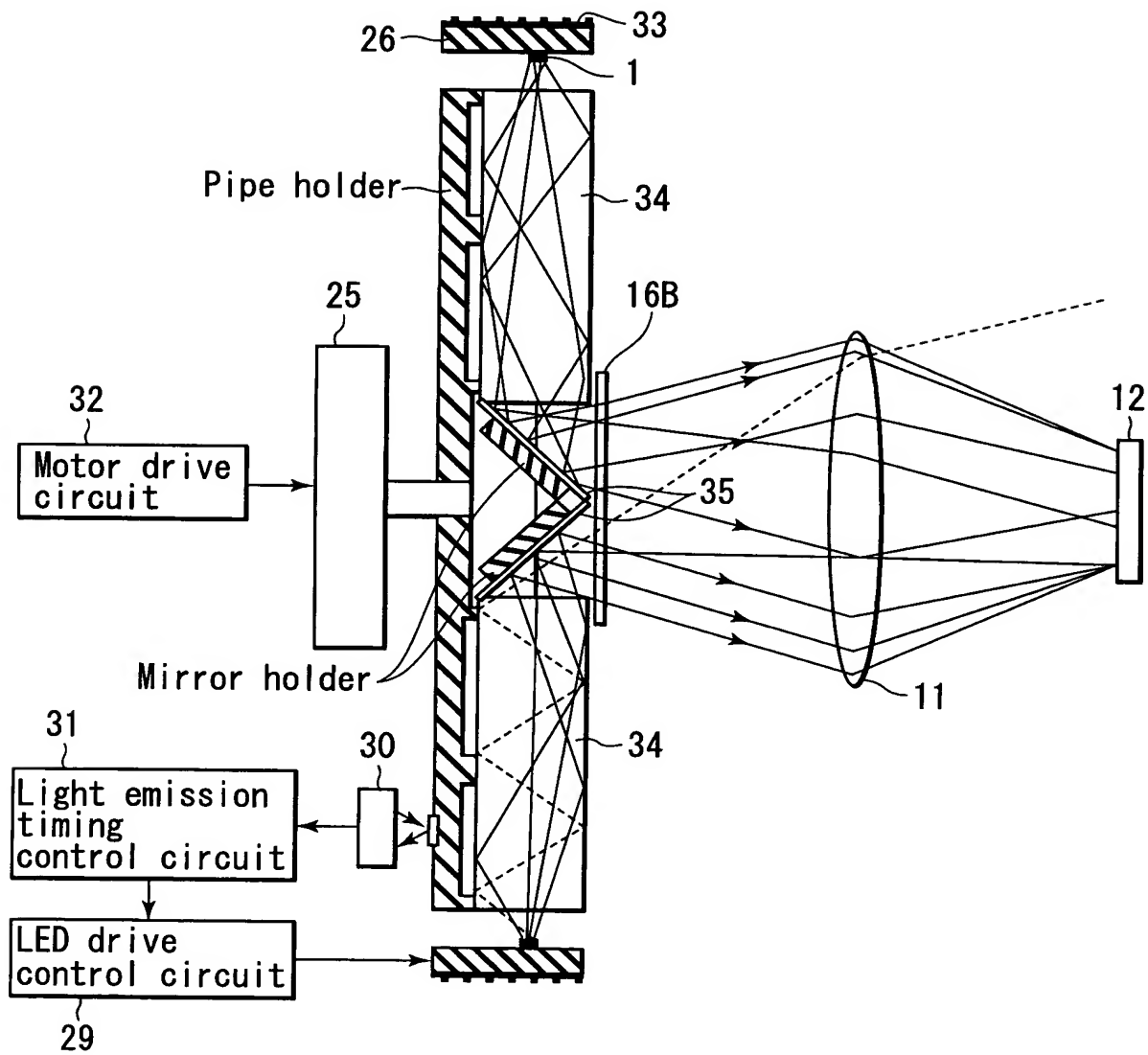


FIG. 31